BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

DIVISION: DASARAHALLI

SUB DIVISION: SHETTYHALLI

NAME OF WORK : Improvements to drain and footpath at KG hally in ward no 12, Shettyhalli sub Division

Estimated Cost : 30.00 Lakhs

Job No : 012-19-000024

(P Code - 3296)

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Sl. No.	**Description of work**	**Unit**	**Measurements**				**Qty**	**Rate**	**Amount**
			No	**L**	**B**	**D**			
1	**Earthwork excavation by manual means in Ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.**(PWD SR 2018-19, Page No.142, Item No. 19.1)** including Conveying the excavated earth silt, debris and over burden earth etc., to lead of 0 to 5 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete as per the direction of Engineer-in-charge of the work								
	Culvert	**cum**	2	4.00	1.80	1.30	18.72		
	for desilting of drain		2	1600.00	0.60	0.60	1152.00		
			2	950.00	0.60	0.60	684.00		
			14	150.00	0.60	0.60	756.00		
			2	80.00	0.60	0.60	57.60		
							2659.32	**211.79**	**563212.00**
	Basic Rate	**130.00**							
	add loading & unloading	57.00							
	lead for 5 km=5*1.28*2.0	12.80							
	Total	199.80							
	add AW 6%	11.99							
		211.79							
2	KSRRB M2100 -10. **Plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46 cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scafofolding and centering complete as per specifications MORTH Specification No. 2100 **(PWD SR 2018-19 Page No.222 , Item No. 27.18)**								

	Culvert	cum	4	7.00	1.80	0.15	7.56		
							7.56	**5421.90**	**40990.00**
	Basic rate	5115.00							
	Add AW 6%	306.90							
		5421.90							
3	Providing laying palin / reinforced cement concrete for **side Drain using M20 nominal mix concrete** with OPC at 300 kgs with 20 mm and down size granite metal coarse aggregates at 0.69 cum fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., completet excluding cost of steel ae per MMORTH specification No 1500, 1700, 2200. including cost of materials, labour, HOM completet as per specificatios. wall and bottom thickness 15 cms **(PWD SR 2018-19 It No 37.59.1 P. No 271)**									
	For Culverts bottom		4	7.00	1.60	0.15	6.72		
	side wall		6	7.00	0.30	0.70	8.82		
	Ramp		6	7.00	0.30	0.25	3.15		
			2	10.50	11.00	0.15	34.65		
							53.16	**7070.20**	**375852.00**
	Basic rate	6670.00							
	Add AW 6%	400.20							
		7070.20							
	Providing and constructing granite / trap / basalt **size stone masonry** in **basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. **(P 255 It No 34.9)**								
	for culverts	**cum**	2	7.00	0.60	0.90	7.45		
							7.45	**5811.98**	**43299.25**
	Basic rate	5483.00							
	Add AW 6%	328.98							
		5811.98							
	KSRRB M2200-6 : Providing **TMT teel reinforcement for RCC work** including starightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification MORTH Specification No.1600 & 2200 - TMT Bars Fe 500 **[P. no. 229 - I. no.28.8.2]**								

	Culverts	**Tonne**					1.50		
						or say	**1.50**	**72316.38**	**108475.00**
	Basic rate	68223.00							
	Add AW 6%	4093.38							
		72316.38							
6	Removing and Refixing of slabs of Drains and pointing in C. M. (1:3) **(PWD SR 2018-19 , P. 27, I. 5.33)**								
		Sqm	2	2500	0.90		4500.00		
			2	1300	0.90		2340.00		
			4	150	0.90		540.00		
							7212.14	**111.30**	**802711.182**
	Basic rate	105.00							
	Add AW 6%	6.30							
		111.30							
7	**Supplying and fixing precast reinforced concrete slab 10 cm thick** of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mmc/c bothways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials - Data rate approved by Chief Engineer, Dasarahalli zone								
	Misssing slabs	**sqm**	3	22.00	1.20		81.00		
							81.00	**2208.00**	**178848.00**
	Approved Data rate	**2208.00**							
8	Providing and laying Pre Cast **Drain Cover slabs of 250mm thickness** including cost of all materials, labour, curing, transportation,loading, unloading etc.,complete as per the direction of Engineer - In- Charge. (Data Rate enclosed)								
	for culvert deck slab	**sqm**	8	7.00	1.50		**82.50**		
							82.50	**5241.00**	**432382.50**
	Approved Data rate	**5241.00**							
							Sub Total		**2545769.93**

9	Add GST @ 12 %					318011.00	304924.00
~~11~~	~~Add for T.P Charges~~						~~127052.00~~
10	Add PMC charges @ 1%					26501.00	25410.00
11	Add for unforseen charges and rounding off					5392.73	1583.23
					Grand Total		3000000.00
	(Rupees Thirty Lakhs Only)						

2 *Certified that the work is not split*

3 *Certified that the estimate is based on PW,P&IWTD Bangalore Circle SR of 2016-17*

4 *Certified that Adeqate & necessary provisions have made in the estimate.*

5 *Certified that the above area comes under BBMP limit*

Asst Engineer
Ward-12

Asst.Executive Engineer
Shetty halli Sub Division

Executive Engineer
Dasharahalli Division

ಸಂ. EE/DD/AS/133/ದಿನಾಂಕ : 18-19
24/01/19
ರೂ. Rs. Thirty lakhs only
(30.00) — " —
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/DZ/TS/159/ದಿನಾಂಕ : 18/02/2019
ರೂ. 30.00 lakhs/- (Rs Thirty lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.